

Earthing materials,
connection clamps,
deep-driven earthing rods,
fixed earthing terminals



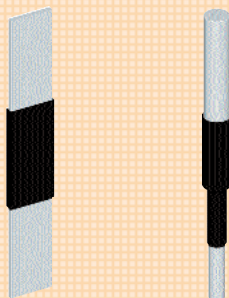
Please ask for our special catalogue.



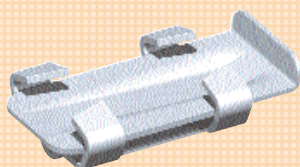
Lead-in earthing rod



Lead-in earthing rod



Wedge connector with lock safety



Spacer



Lead-in earthing rods

Lead-in earthing rod in accordance with DIN 48 802 \varnothing 16; rounded-off ends.

Specification	Length mm	Qty/pack	Order no.
Steel hot-galvanized \varnothing 16 mm	500	10	100 500
Steel hot-galvanized \varnothing 16 mm	750	10	100 750
Steel hot-galvanized \varnothing 16 mm	1000	10	101 000
Steel hot-galvanized \varnothing 16 mm	1200	10	101 200
Steel hot-galvanized \varnothing 16 mm	1500	10	101 500
E copper \varnothing 16 mm	750	10	100 755
E copper \varnothing 16 mm	1000	10	101 005
E copper \varnothing 16 mm	1200	10	101 205
E copper \varnothing 16 mm	1500	10	101 505
Stainless steel \varnothing 16 mm	750	10	102 755
Stainless steel \varnothing 16 mm	1000	10	102 005
Stainless steel \varnothing 16 mm	1200	10	102 205
Stainless steel \varnothing 16 mm	1500	10	102 505

Lead-in earthing rod with terminal lug for easy mounting and for a secure connection between conductor and earth lead; corrosion resistant; earth transition insulated with shrink sleeve.

Specification	Length	Qty/pack	Order no.
Steel/galvanized	\varnothing 16 = 750/1000 \varnothing 10	10	102 075
Steel/galvanized	\varnothing 16 = 1000/1000 \varnothing 10	10	102 100
Steel/galvanized	\varnothing 16 = 1200/1000 \varnothing 10	10	102 120
Steel/galvanized	\varnothing 16 = 1500/1000 \varnothing 10	10	102 150
Stainless steel 30 x 35	2000	10	102 206

Rods also available without insulation.

Wedge connector for T, cross and parallel connections with the unique lock safety.

Specification	Size	Qty/pack	Order no.
Steel/galvanized	\varnothing 10/30 x 3.5 oder 30 x 3.5/30 x 3.5	40	1320

Spacer,
for earth connections; fits \varnothing 10 mm round conductors and 30 x 3.5 flat band.

Specification	Length	Qty/pack	Order no.
Steel-galvanized	210 mm	50	1319

Connection clamps

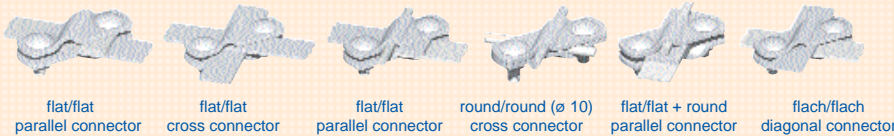
Multi-Clamp \varnothing 10 mm,

Universal use as T, cross and parallel clamp for \varnothing 10 mm conductors.

Specification	Size	Qty/pack	Order no.
Steel/galvanized	\varnothing 10	75	1278
All stainless steel	\varnothing 10	75	1279
All stainless steel V4A	\varnothing 10	75	1279 S
Copper	\varnothing 10	75	111 280

Diagonal cross clamp, Heavy-duty realization with 2 M10 x 30 screws for T, cross and parallel connections; flat and round.

Specification	Size	Qty/pack	Order no.	
Steel/galvanized flat/round	fl. 30/ \varnothing 8-10	50	1354	
2 pieces	flat/flat	fl. 30/fl. 30	50	111 352
	round/round	\varnothing 8-10/ \varnothing 8-10	50	111 353
	flat/round	fl. 40/ \varnothing 8-10	50	111 354
Stainless steel flat/round	fl. 30/ \varnothing 8-10	50	2008	
Stainless steel flat/flat	fl. 30/fl. 30	50	2015	
Stainless steel round/round	\varnothing 8-10/ \varnothing 8-10	50	2008 S	
Stainless steel V4A round/round	\varnothing 8-10/ \varnothing 20	50	2017	

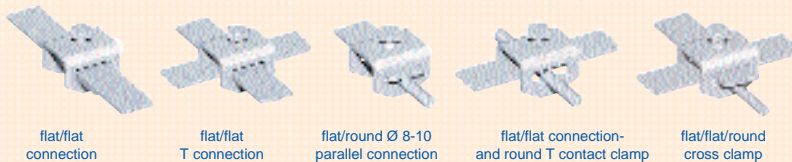


USV - clamp for 30 x 3.5 mm earth straps and \varnothing 8-10 mm wires.

Easy-to-assemble connection system for earth leads flat/round in concrete and aerial lines.

Advantage: • significantly shorter and easier installation • universal use.

Specification	Size	Qty/pack	Order no.
Steel-galvanized	flat 30/ \varnothing 8-10	50	111 425
Stainless steel	flat 30 x 3.5	50	111 426



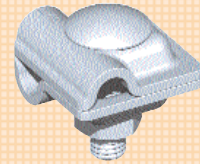
Cross connector mounted with 4 M8 x 25 screws and nuts.

Specification	Size	Qty/pack	Order no.
flat/round, steel-galvanized, 2 piece	\varnothing 8-10/30	25	1322
round/round, steel-galvanized	\varnothing 8-10/ \varnothing 8-10	25	1329
flat/flat, steel-galvanized	30/30	25	1323
flat/flat, steel-galvanized	40/40	25	900 047
round/round, steel-galvanized	\varnothing 8-10/ \varnothing 16	25	1324
flat/flat, stainless steel	30/30	25	2004
flat/round, stainless steel	\varnothing 8-10/30	25	2003
round/round, stainless steel	\varnothing 8-10/ \varnothing 8-10	25	2005 S
round/round, stainless steel	\varnothing 8-10/ \varnothing 16	25	2005
flat/round, steel-galvanized, 3 piece	\varnothing 8-10/30	25	1325
flat/flat, steel-galvanized	30/30	25	1326
round/round, steel-galvanized	\varnothing 8-10/ \varnothing 8-10	25	1327 S
round/round, steel-galvanized	\varnothing 8-10/ \varnothing 16	25	1327

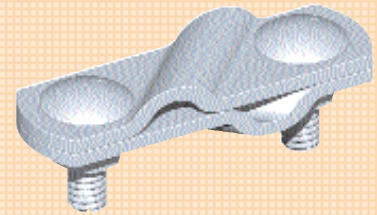
Connector, test or Junction clamp for 20 x 2,5 mm in brass

Specification	Size	Qty/pack	Order no.
Brass	flat 20 x 2,5 mm	50	801 305

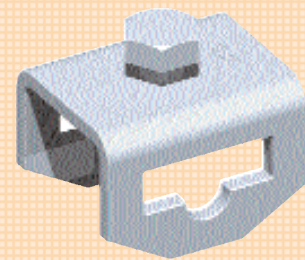
Multi-Clamp \varnothing 10 mm



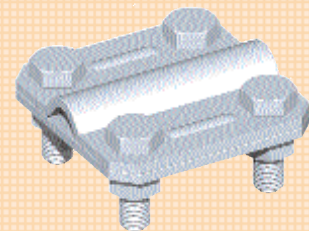
Diagonal cross clamp



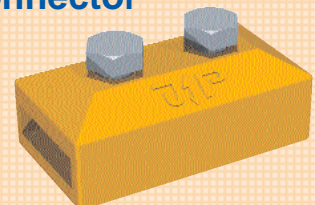
USV-Clamp



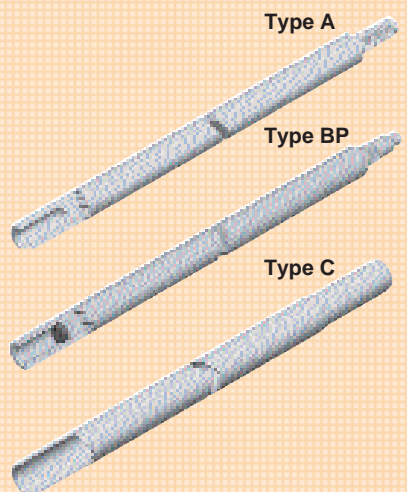
Cross connector 2 piece and 3 piece



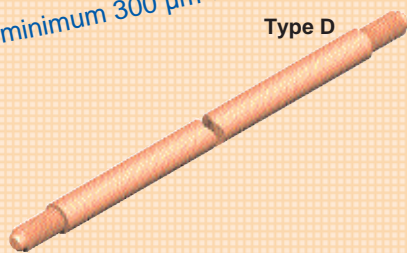
Connector



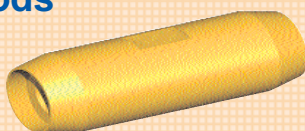
Deep-driven earthing rods (earth rods)



minimum 300 µm copper thickness



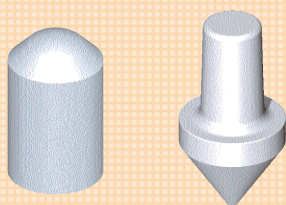
Coupling for earth rods



Cross profile earthing rod



Driving heads/driving tips / hammer blocks



Deep-driven earthing rods

Compound rods in accordance with DIN 48 852 and/or DIN/VDE 0185 part 1, table 2.

Specification	Length	Qty/pack	Order no.
Deep-driven earthing rods:			
Type A, steel/galvanized with three-fold knurling	∅ 20/1500	10	110 020
	∅ 25/1500	5	110 027
	∅ 25/1000	5	110 019
Type A, stainless steel	∅ 20/1500	10	110 120
	∅ 20/1000	10	910 095
Type A, stainless steel V4A	∅ 20/1500	10	110 121
	∅ 20/1000	10	110 122
Type BP, steel/galvanized with lead ball	∅ 20/1500	10	110 022
	∅ 20/1000	10	110 029
	∅ 25/1500	5	110 025
	∅ 25/1000	5	110 024
Earth rods:			
Type C, steel/ordinary bath finishing			
hot-galvanized	∅ 25/1500	10	110 021
Stainless steel	∅ 25/1500	10	110 026
Stainless steel V4A	∅ 25/1500	10	110 018

Copperbond earth rod system:

copper bonded earth rod with copper thickness of minimum 300 µm, with tip on one and thread on the other end:

Steel/copper with thread and tip	∅ 5/8"/1200	10	110 224
Steel/copper with thread and tip	∅ 3/4"/1500	10	110 222
Steel/copper with thread and tip	∅ 1"/1500	10	110 233
copper bonded earth rod with copper thickness of minimum 300 µm, with thread on both ends:			
Steel/copper with thread	∅ 5/8"/1200	10	110 210
Steel/copper with thread	∅ 5/8"/1500	10	110 227
Steel/copper with thread	∅ 3/4"/1500	10	110 221
Steel/copper with thread	∅ 1"/1500	10	110 231
Steel/copper with thread	∅ 1"/3000	10	110 233

Coupling for earthrods, in brass

Specification	Size	Qty/pack	Order no.
Brass	5/8"	1	110 215
	3/4"	1	110 225
	1"	1	110 235

Cross profile earthing rod made of soft steel; hot-galvanized, 50 x 50 x 3 profile

Specification	Length mm	Qty/pack	Order no.
Steel/galvanized	1000	5	110 100
Steel/galvanized	1500	5	110 150
Steel/galvanized	2000	5	110 200

Additional lengths on request.

Driving heads, driving tips and hammer blocks,

for chisel hammers made of galvanized steel. Fits deep-driven earthing rods (earth rods).

Specification	Size	Qty/pack	Order no.
Driving head for all TE (∅ 20)	∅ 20	1	2056
Driving head for all TE (∅ 25)	∅ 25	1	2057
Driving tip for TE Type A / Type BP	∅ 20	10	2058
Driving tip for TE Type A / Type BP	∅ 25	10	2059
Driving tip for TE Type B	∅ 20-6kt	1	910 225
Driving tip for TE Type B	∅ 25-6kt	1	910 226
Hammer block for hammer-type on request			

Connection clamp for parallel and cross connections.

Specification	Size	Qty/pack	Order no.
Steel/galvanized, 3 piece	ø 8-10 u. fl. 30/ ø 16	25	111 355
	ø 8-10 u. fl. 30/ ø 20	25	111 356
	ø 8-10 u. fl. 30/ ø 25	25	111 357
Stainless steel, 2 piece	ø 8-10 u. fl. 30/ ø 16	25	2009
	ø 8-10 u. fl. 30/ ø 20	25	2010
	ø 8-10 u. fl. 30/ ø 25	25	2011

Contact clamp for deep-driven earthing rods and 10mm round conductors.

Specification	Size	Qty/pack	Order no.
Steel/galvanized	ø 10 u. TE ø 20	50	2020
Stainless steel V4A	ø 10 u. TE ø 20	50	2018

Contact clamp for ø 20 mm deep-driven earthing rods and flat bands

Specification	Size	Qty/pack	Order no.
Steel-polished/ungalvanized flat/round	40 mm/ø 20 mm	25	111 420
Steel/galvanized flat/round	40 mm/ø 20 mm	25	111 421

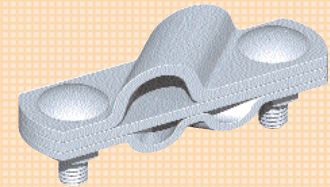
Contact clamp for deep-driven copper bonded earthing rods and flat conductors 20 x 2,5 mm or 10mm round conductors.

Specification	Size	Qty/pack	Order no.
Brass	20 x 2,5 u. TE ø 5/8"	50	803 505
	ø 10 u. TE ø 5/8	50	803 510

Chisel hammer for breaking pavement and to deep-drive the earth rods.

Specification	Order no.
Brand: HITACHI H 90 SC	111 460
Type: Electric motor	
Power: 1450 Watt	
Weight: 32 kg	111 461
Brand: WACKER	
Type: BH 23 gasoline motor	
Weight: 27 kg	111 462
Brand: WACKER	
Type: EH23 - 230 electric motor	
Power: 2200 Watt	
Weight: 22.4 kg	

Connection clamp for deep-driven earthing rods and earth terminals



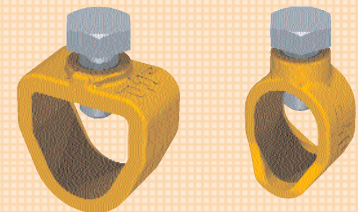
Contact clamp for deep-driven earthing rods



Contact clamp



Contact clamp



Chisel hammer

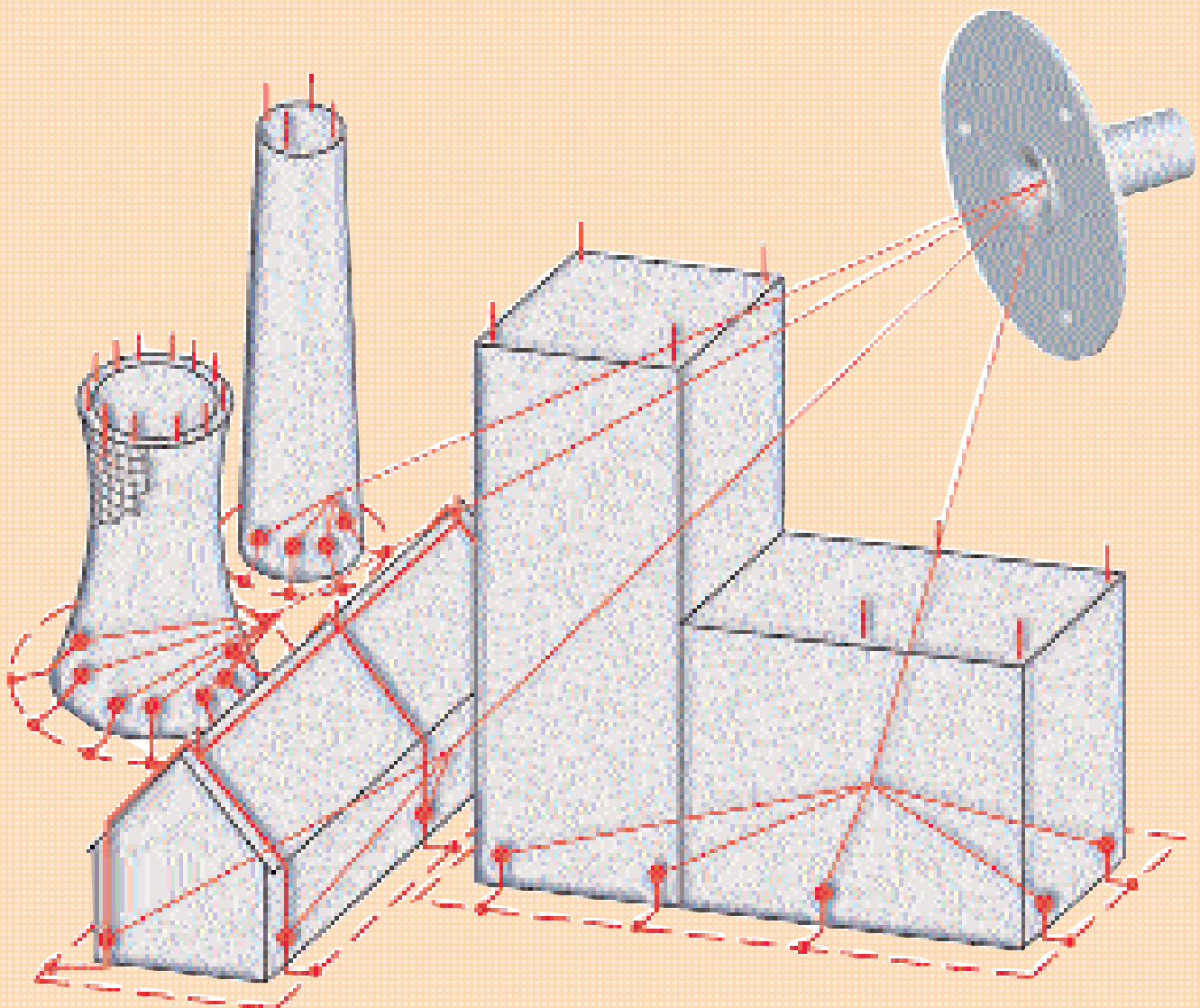


Professional equipotential bonding using the “right” earthing points and connection equipment

For specifications and order information refer to the following pages

Advantages:

- absolutely safe, corrosion-proof, maintenance-free earthing connection
- large-surface contact plate made of stainless steel (V4A)
- great variability for all commonly used earth conductor diameters
- optimal disconnection terminal to meter the earthing system
- visually pleasing fixed earthing terminals for further connections options inside the building



Fixed earthing terminals and connection sets

The complete program for connecting equipotential bonding leads to the foundation earth connection, to the reinforcement and to the lightning protection system.

- Advantages:**
- easy assembly due to flexible connections
 - corrosion-resistant, reliable connections due to exterior, stainless steel contacts
 - also suited as metering disconnection terminal

Fixed earthing terminal,

to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Contact plate \varnothing 80 mm stainless steel V4A with 3 \varnothing 4 mm nail holes M10 terminal thread with clamping pin \varnothing 10, 200 mm long	1	112 006
Same as above, but with M12 terminal thread	1	112 001

Connection with diagonal cross clamp possible!

Fixed earthing terminal,

to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Contact plate \varnothing 80 mm stainless steel V4A with 3 \varnothing 4 mm nail holes M10 terminal thread and M10 screw	1	112 007
Same as above, but with M12 terminal thread	1	112 004

Connection rope with cable lug available on request!

Fixed earthing terminal,

to connect earthing system with the reinforcement and conductors.

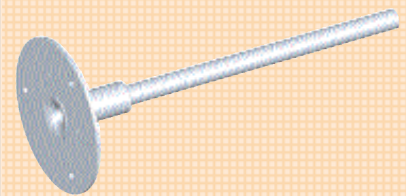
Specification	Qty/pack	Order no.
Contact plate \varnothing 80 mm stainless steel V4A with 3 \varnothing 4 mm nail holes M10 terminal thread with connection pin and cross clamp for 30 x 3.5 / \varnothing 8-10	1	112 008
Same as above, but with M12 terminal thread	1	112 002

Fixed earthing terminal,

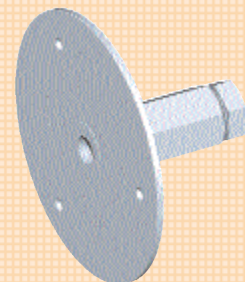
to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Interior and exterior connection possible. Contact plate \varnothing 80 mm stainless steel V4A with 3 \varnothing 4 mm predrilled nail holes each M10 terminal thread, M10 threaded rod. When ordering this item, state length and/or wall thickness.	1	112 009
Same as above, but with M12 terminal thread	1	112 003

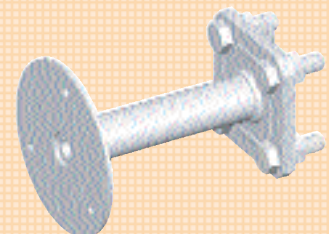
Fixed earthing terminal with connector bolt



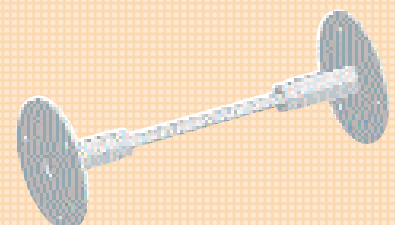
Fixed earthing terminal with flexible connection



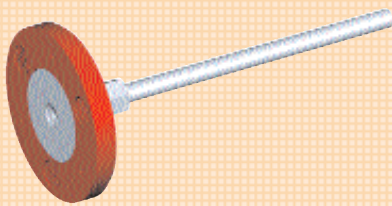
Fixed earthing terminal with welded cross clamp



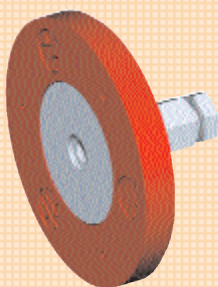
Fixed earthing terminal wall duct



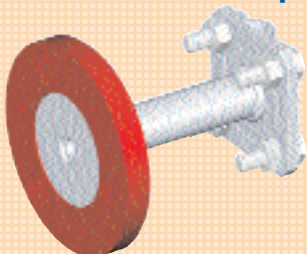
Fixed earthing terminal with red plastic ring



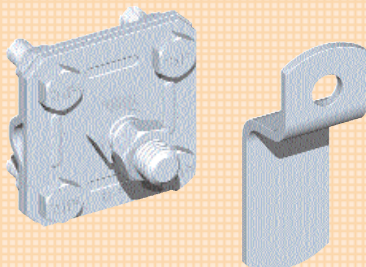
Fixed earthing terminal for flexible connection



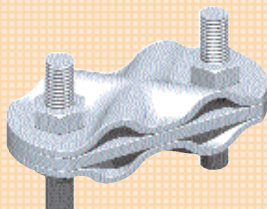
Fixed earthing terminal with welded cross clamp



Connection clamp for fixed earthing terminals



Contact clamp



Fixed earthing terminal, to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Contact plate \varnothing 50 mm stainless steel V4A Red plastic ring, \varnothing 95 mm with 3 \varnothing 4 mm predrilled bore holes M10 terminal thread with \varnothing 10 mm clamping pin, 200 mm long	1	112 020
Same as above, but with M12 terminal thread	1	112 021

Connection with diagonal cross clamp possible!

Fixed earthing terminal, to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Contact plate \varnothing 50 mm stainless steel V4A Red plastic ring, \varnothing 95 mm with 3 \varnothing 4 mm predrilled bore holes M10 terminal thread to connect with cable lug or steel tape	1	112 022
Same as above, but with M12 terminal thread	1	112 023

Connection rope with cable lug available on request!

Fixed earthing terminal, to connect earthing system with the reinforcement and conductors.

Specification	Qty/pack	Order no.
Contact plate \varnothing 50 mm stainless steel V4A Red plastic ring, \varnothing 95 mm with 3 \varnothing 4 mm bore holes M10 terminal thread with Connection pin and cross clamp for 30 x 3.5 / \varnothing 8-10	1	112 024
Same as above, but with M12 terminal thread	1	112 025

Connection clamp for fixed earthing terminals

Specification	Qty/pack	Order no.
Cross clamp 60 x 60 steel/galvanized with 4 M8 x 25 screws for flat 30 x 3.5/ \varnothing 8-10 M12 threaded bolt end piece to connect to fixed earthing terminals	10	112 005
Stainless steel V4A 30 x 3.5, \varnothing 10.5 mm bore	10	112 017
Stainless steel V4A 30 x 3.5, \varnothing 12.5 mm bore Connection with Vario-Clamp or diagonal cross clamp possible	10	112 018

Contact clamp, for connecting fixed earthing terminals with reinforcement structure and with earth conductor. **Advantage:** significantly easier installation of fixed earthing terminals. **Application:** first attach clamp to reinforcement, then connect and secure the fixed earthing terminal to the earth conductor.

Specification	Size	Qty/pack	Order no.
Steel/galvanized	\varnothing 8-10 and flat 30 x 3,5 \varnothing 10-25	25	111 400